

PATENT ABSTRACTS OF JAPAN

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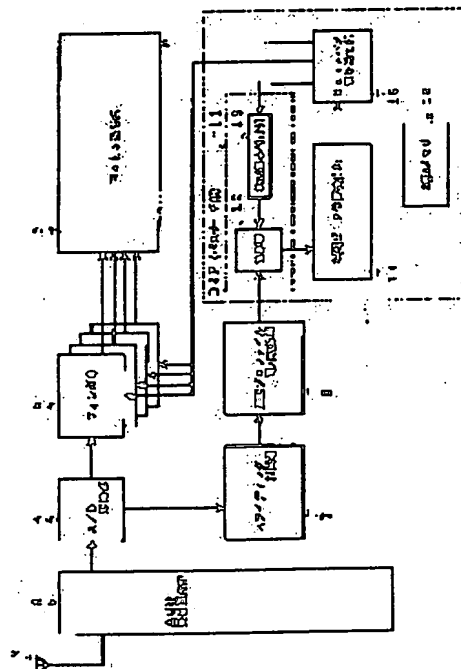
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(54) CDMA RECEIVER, FINGER ASSIGNING METHOD OF ITS MULTI-PATH AND STORAGE MEDIUM RECORDING ITS CONTROL PROGRAM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a CDMA receiver by which path assignment to fingers is prevented from being frequently changed, the fluttering of the path assignment is prevented and a reception characteristic is improved by calculating a state weighting function to be a delay profile which indicates a signal power distribution as against the delay time of a reception signal to path and, then, retrieving plural pathes.

SOLUTION: A path fluctuation is averaged by fading or the like by a delay profile power adding part 8 as against the delay profile which is obtained in a sliding correlator 7. The delay profile after the averaging of the path fluctuation in the delay profile power adding part 8 is multiplied by the weighting function from a state weighting part 13 in the multiplier 12 of a weighting part 11. Then, the delay time of a high-order finger peak in the delay profile is detected. Thus, the path assignment is prevented from being frequently changed as against a finger part 5 and the nonuniformity of the path assignment is also prevented.



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